



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF HEALTH SCIENCES

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE

PUBLIC HEALTH/COMMUNITY HEALTH AND DEVELOPMENT

SPECIAL EXAMINATIONS NOV. 2020

COURSE CODE:

HPD 3416

COURSE TITLE:

Introduction to Pharmacology

EXAM VENUE:

Dev

STREAM: BSc Public/ Comm. Hlth &

DATE:

EXAM SESSION:

TIME: 2.00 HOURS

Instructions:

- 1. Answer all the questions in Section A and 2 questions in Section B.**
- 2. Candidates are advised not to write on the question paper.**
- 3. Candidates must hand in their answer booklets to the invigilator while in the examination room.**

SECTION A

1. Define terms generic, brand and chemical name.
2. Briefly define the words contraindication, course of treatment, and antidote in reference to drug administration.
3. Define the term, teratogenicity?
4. Explain how a child dose can be calculated from adult dose.
5. What is the basic mode of action of chemotherapeutic agents?
6. With examples briefly discuss non official compendia.
7. List and discuss any three branches of pharmacology
8. Mention any three reasons of adjusting doses in elderly as compared to adult dose.
9. Briefly discuss drugs in pregnancy category X with examples.
10. List any three human medicine derived from natural sources.

SECTION B

- 1 Discuss how dose of drug can be calculated from body size, body surface area and age
2. Explain different mechanism of drug action.
3. Discuss drug-drug interaction (15 mks) Drug-food interaction (5 mks)
4. With examples, explain what are prescription only medicines and over the counter medicines (10 mks) Discuss excretion of drugs from the body. (10 mks)